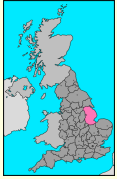


Sir Isaac Newton

The Theory of Gravity, 1687

Isaac Newton was born on Christmas Day in the tiny hamlet of Woolsthorpe, Lincolnshire in England.



His father was an illiterate farmer who died just before Isaac was born.

Isaac's mother abandoned her baby and left home to marry and start a new family with another man.

One day his mother returned. Her husband had died, she was a widow, and she needed Isaac's help.

She pulled Isaac out of school to help her run the farm. He was eleven years old.

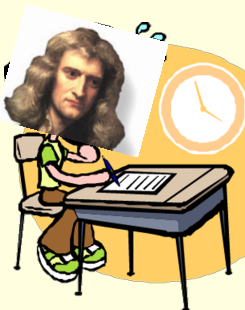


Woolsthorpe Manor

Sep 4-1:16 PM

Sep 4-1:21 PM

Isaac was a lousy farmer.



But he was a fine student!

At age 27, Isaac Newton graduated from Cambridge and became a professor of mathematics.



Cambridge University, England



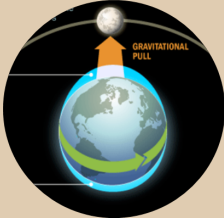

In 1687, Newton wrote his masterpiece, **Principia** -- about the universal law of gravitation.

Oct 6-8:29 AM

Sep 4-5:09 PM

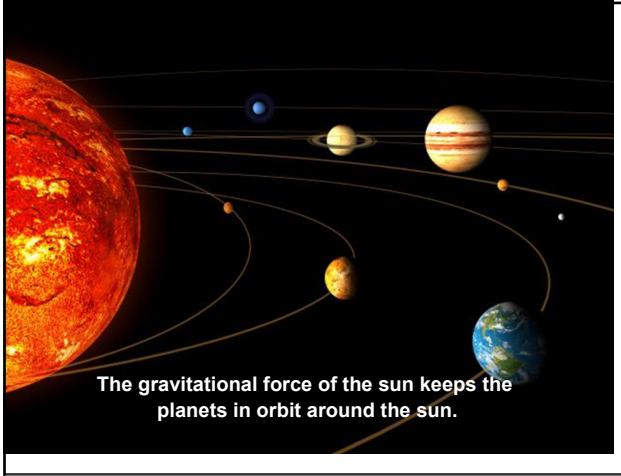
An Apple Falling from a Tree

Isaac Newton's theory of gravitation is based on an apple falling from a tree. The apple falls because it is pulled to earth by gravity.

The same force that pulls an apple to earth explains the universe. The gravitational force of the earth keeps the moon from flying off into space.


Oct 6-8:33 AM





The gravitational force of the sun keeps the planets in orbit around the sun.

Sep 5-7:01 AM

PREDICT: How did England react to Isaac Newton and his scientific discoveries?




A) Thumbs-up! Ecstatic! 

B) Thumbs-down! Preposterous! 

C) One Thumb-up and One Thumb-down . . . Mixed reactions. 

Sep 4-5:24 PM


A) Thumbs-up! Ecstatic!

Popular Fellow

Isaac Newton was one of the most popular people of his day.

He was knighted in 1705.



Oct 19-9:25 AM

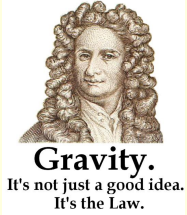
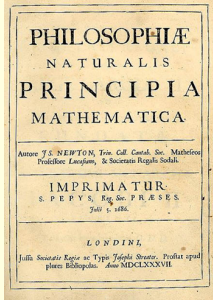
He was elected to Parliament.



He became head of the Royal Society of England.



Principia is one of the greatest single books in the history of science. It explains how the universe is held together.



Gravity.
It's not just a good idea.
It's the Law.

Sep 5-4:35 PM

Sep 4-5:19 PM



Isaac Newton 2:37



Newton's Reflecting Telescope



Pixar Cartoon

Oct 6-12:42 PM